

I claim:

1. A pressure-sensitive variable-conductance sensor with tactile feedback, comprising;  
a housing;  
at least two conductive elements fixed to said housing and in-part within said housing;  
a depressible actuator retained by said housing and in-part exposed external to said  
housing;  
a resilient snap-through dome-cap positioned within said housing and depressible with  
force from said actuator applied to said dome-cap to cause said dome-cap to snap-through and  
create a tactile feedback;  
pressure-sensitive variable-conductance material within said housing and positioned as  
a variably conductive element electrically between said two conductive elements, and further  
positioned for receiving force applied to said dome-cap, whereby electrical conductivity of said  
pressure-sensitive variable-conductance material is altered relative to received force and  
electrical output of said sensor is variable.
2. A pressure-sensitive variable-conductance sensor with tactile feedback in  
accordance with claim 1 wherein said two conductive elements are of high and relatively  
constant conductivity.
3. A pressure-sensitive variable-conductance sensor with tactile feedback in

accordance with claim 2 wherein said pressure-sensitive variable-conductance material is variable in terms of electrical resistivity, the electrical resistivity of said pressure-sensitive variable-conductance material lowering with received force thereon.

5 4. A pressure-sensitive variable-conductance sensor with tactile feedback in accordance with claim 3 wherein said housing is formed of non-conductive plastics.

5. An improved pressure-sensitive variable-conductance sensor of the type having at least two electrically conductive elements operationally connected to pressure-sensitive variable-conductance material; a depressible actuator retained relative to said pressure-sensitive variable-conductance material; said actuator depressible toward said pressure-sensitive variable-conductance material for transferring force into said pressure-sensitive variable-conductance material;

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wherein the improvement comprises:

a resilient snap-through dome-cap positioned to provide tactile feedback to a user upon actuation of said pressure-sensitive variable-conductance material.

15 6. An improved pressure-sensitive variable-conductance sensor in accordance with claim 5 wherein said snap-through dome-cap is positioned between said actuator and said pressure-sensitive variable-conductance material.

7. A momentary-on switch package comprising:

at least two conductive elements, said elements producing a variable output depending on a pressure with which said elements contact one another; and

5 a resilient film overlying said two conductive elements and accessible for receipt of an external force, said film for contacting said elements upon application of the external force.

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A3

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